

ABSTRACT OF THE DISCLOSURE

There is provided a disk device has a controller which determines a linear velocity V_L of a disk, a laser output determination circuit which determines a read laser output P_R of a photodiode according to this linear velocity and causing the photodiode to emit a laser light on the basis of a control signal C corresponding to the determined read laser output, and a sampling circuit which detects the emitted laser light by a front monitor and makes the control signal of the laser output determination circuit appropriate according to a sampling result obtained by performing the detection several times, wherein, even when a recording processing is performed at high velocity, sampling control of the read laser output can be securely performed.